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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/849,193

05/20/2004

Jin-Woo Park

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49455 7590 04/17/2008

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EXAMINER

WILLIAMS, JOSEPH L

ART UNIT

PAPER NUMBER

2889

MAIL DATE

DELIVERY MODE

04/17/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/849,193	<b>Applicant(s)</b> PARK ET AL.	
	<b>Examiner</b> Joseph L. Williams	<b>Art Unit</b> 2889	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 18 January 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

### **DETAILED ACTION**

The response filed on 1/18/2008 has been entered and overcomes the rejections to the claims.

#### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3, 7, 8, 9, and 13 are rejected under 35 U.S.C. 102(b) as being anticipated by Benson, Jr. (US 5,831,375).

Regarding claim 1, Benson ('375) teaches in figure 10 and in mainly column 14, lines 6-48, a double-sided light emitting device (310) comprising: lower and upper substrates (not shown, but implied as the top and bottom layers); an emission element (316) formed between an inner surface of the upper substrate and an inner surface of the lower substrate and emitting predetermined light; an upper layer of polarizing material (320) disposed on at least one of inner and outer surfaces of the upper substrate; and a lower layer of polarizing material (312) disposed on at least one of inner and outer surfaces of the lower substrate, wherein the upper and lower layers of polarizing material are disposed so that polarization axes of the upper and lower layers of polarizing material are perpendicular to each other.

Regarding claim 3, Benson ('375) teaches the lower and upper layers of polarizing material are coating layers coated on the inner surfaces of the lower and upper substrates, respectively.

Regarding claim 7, Benson ('375) teaches the lower and upper layers of polarizing material each are a coating layer having a thickness from about 0.1 microns to 50.01microns (read 2 mils).

Regarding claim 8, Benson ('375) teaches a double-sided light emitting device comprising: lower and upper substrates (not shown, but implied as the top and bottom layers); an emission element (316) formed between an inner surface of the upper substrate and an inner surface of the lower substrate and emitting predetermined light; an upper polarizing plate (320) disposed on any one of inner and outer surfaces of the upper substrate; and a lower polarizing plate (312) disposed on any one of inner and outer surfaces of the lower substrate, wherein the upper and lower polarizing plates have polarization axes disposed to be perpendicular to each other.

Regarding claim 9, Benson ('375) teaches the lower and upper polarizing plates are polarizing films bonded on the inner surfaces of the lower and upper substrates, respectively.

Regarding claim 13, Benson ('375) teaches the lower and upper layers of polarizing material each are a coating layer having a thickness from about 0.1 microns to 50.01microns (read 2 mils).

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2, 4-6, and 10-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Benson, Jr. (US 5,831,375), of record.

Regarding claims 2, 4-6 and 10-12, Benson, Jr. ('375) teaches all of the claimed limitations except for the various claimed locations of the lower and upper polarizing means.

Further regarding claims 2, 4-6, and 10-12, the Applicant has not disclosed any criticality to the various alternative positions claimed. Since the prior art of record discloses one of the claimed positions of the lower and upper polarizing layers (see claims 3 and 9) and the Applicant has not disclosed any criticality, it is the position of the Examiner that the claimed locations of the lower and upper polarizing layers are an obvious choice in design.

Hence, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the polarizing layers of Benson, Jr. for the purpose of improving the brightness of a display device. The position of the polarizing layers are an obvious choice in design.

***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph L. Williams whose telephone number is (571) 272-2465. The examiner can normally be reached on M-F (6:30 AM-3:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Minh-Toan Ton can be reached on (571) 272-2303. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Joseph L. Williams/  
Primary Examiner, Art Unit 2889